

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the application.

LISTING OF CLAIMS:

Claims 1-6 (Canceled)

7. (Currently Amended) A thin film type electron emitter comprising:

a plurality of electron source elements, each of which has a structure in which a bottom electrode, an insulating layer, and a top electrode are laminated in this order, and each of which emits an electron from a surface of the top electrode when applying a positive voltage to the top electrode; and

a plurality of bus electrodes that apply a driving voltage to a top electrode of an electron source element in a first direction among the plurality of electron source elements,

wherein each of the bus electrodes comprises:

a thin film electrode that is integrated with the top electrode; and

a thick film electrode provided on the thin film electrode, said thick film electrode having a film thickness thicker than that of the thin film electrode, ~~and said thick film electrode being formed by plating.~~

8. (Original) A thin film type electron emitter according to claim 7, wherein the thick film electrode has an open area that is provided in an area where the insulating layer is formed.

9. (Currently Amended) A thin film type electron emitter according to claim 7, wherein ~~the thin film electrode comprises a tungsten film~~ thick film electrode is a metallic layer that is formed by any of plating, vacuum evaporation, chemical vapor deposition, and printing.

Claims 10-20 (Canceled)

21. (Currently Amended) A method of manufacturing a thin film type electron emitter comprising: a plurality of electron source elements, each of which has a structure in which a bottom electrode, an insulating layer, and a top electrode are laminated in this order, and each of which emits an electron from a surface of the top electrode when applying positive voltage to the top electrode; and a plurality of bus electrodes comprising a thin film electrode integrated with the top electrode, and a thick film electrode that is provided on the thin film electrode, and that has a film thickness thicker than that of the thin film electrode, said plurality of bus electrodes applying driving voltage to a top electrode of an electron source element in a first direction among the plurality of electron source elements,

said method comprising:

~~a step 1 of forming the bottom electrode;~~

~~a step 2 of forming the insulating layer;~~

~~a step 3 of forming a thin conductive film on the bottom electrode and the insulating layer;~~

~~a step 4 of selectively forming a thick film electrode on the thin conductive film by plating or printing; and~~

~~a step 5 of forming the thin film electrode and the top electrode by selectively patterning the thin conductive film.~~

22. (Original) A method of manufacturing a thin film type electron emitter according to claim 21, wherein in the step 4 of selectively forming the thick film electrode, an open area where the insulating layer is exposed is formed in the thick film electrode.

23. (Previously Presented) A method of manufacturing a thin film type electron emitter according to claim 21, wherein the thin film electrode comprises a tungsten film.

Claims 24-29 (Canceled)

30. (Currently Amended) A display device comprising:
a first substrate including:

a plurality of electron source elements, each of which has a structure in which a bottom electrode, an insulating layer, and a top electrode are laminated in this order, and each of which emits an electron from a surface of the top electrode when applying positive voltage to the top electrode; and

a plurality of bus electrodes that apply a driving voltage to a top electrode of an electron source element in a first direction among the plurality of electron source elements;

a frame glass; and

a second substrate having phosphor;

wherein a space surrounded by the first substrate, the frame glass, and the second substrate is allowed to be a vacuum atmosphere; and

wherein each bus electrode of the first substrate comprises:

a thin film electrode that is integrated with the top electrode; and

a thick film electrode provided on the thin film electrode, said thick film electrode being thicker than the thin film electrode, and said thick film electrode ~~being formed by plating or printing.~~

31. (Original) A display device according to claim 30, wherein the thick film electrode has an open area that is provided in an area where the insulating layer is formed.

32. (Currently Amended) A display device according to claim 30, wherein the thick film electrode is ~~formed by plating~~ a metallic layer that is formed by any of plating, vacuum evaporation, chemical vapor deposition, and printing.